

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number  
WO 2005/097164 A3

(51) International Patent Classification:  
A61K 38/13 (2006.01)

(21) International Application Number:  
PCT/EP2005/003664

(22) International Filing Date: 7 April 2005 (07.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/560,465 8 April 2004 (08.04.2004) US

(71) Applicant (for all designated States except AT, US): NO-  
VARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel  
(CH).

(71) Applicant (for AT only): NOVARTIS PHARMA GMBH  
[AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventor: and

(75) Inventor/Applicant (for US only): WALDMEIER, Pe-  
ter [CH/CH]; Kirchbündtenstrasse 26, CH-4107 Ettingen  
(CH).

(74) Agent: VON SPRECHER, Georg; Novartis AG, Corpo-  
rate Intellectual Property, CH-4002 Basel (DE).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,  
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,  
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,  
YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:  
1 June 2006

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: USE OF CYCLOSPORINS FOR TREATMENT OF CEREBRAL ISCHEMIA AND BRAIN AND SPINAL CORD  
INJURY

(57) Abstract: Non-immunosuppressive, cyclophilin-binding cyclosporins, in particular, [Melle]<sup>4</sup>-Cyclosporin, are useful as neu-  
roprotective agents, e.g., in the prevention or treatment of cerebral ischemia or traumatic brain or spinal cord injury.

WO 2005/097164 A3